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25 JULY 1939

ROME
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1939

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CHRONICLE OF THE INTERNATIONAL INSTITUTE OF AGRICULTURE

The radio communiqués of the International Institute of Agriculture will be transmitted between 2.45 and 2.52 p. m. on the following days: Thursday, English ***and*** German; ***Friday,*** Spanish; ***Tuesday,*** Italian ***and*** French.

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The hour of broadcasts is Central European Time, which is one hour ahead of Greenwich Mean Time, and 5 hours ahead of Eastern Standard Time in the United States.

Appointment of the Secretary-General of the Institute. — The Permanent Committee has appointed Prof. G. U. Papi Secretary-General of the International Institute of Agriculture as from July 1, to replace Prof. A. Brizi who has resigned.

Permanent Committee of the Institute. — The next session of the Permanent Committee of the Institute will open on Thursday, October 12, 1939.

International Forestry Centre set up within the framework of the Institute. — Notices on the first session of the Centre (Berlin, May 11-13, 1939) were given in the *Chronicle* for June (No. 6).

In conformity with the Statutes of the Centre, the Permanent Committee of the Institute has approved the proposals of the Committee of the Centre regarding the provisional budget for 1939, the administration of the Offices and the programme of work for 1939.

The Permanent Committee of the International Institute of Agriculture, on the proposal of the Committee of the Centre, has appointed Dr. Joseph Köstler, Professor of Forest Economics at Göttingen University, to be Director of the Centre.

The second session of the Committee of the International Forestry Centre will take place at the Institute on October 9-10 under its president, Baron Waldbott (Hungary).

Special Committee of the Horticultural Section of the Institute. — This Committee will meet on October 6-7 at the Institute, with the following agenda:

(1) Appointment of a President and of a Rapporteur for the session.

(2) Consideration of the work in progress and suggestions relating thereto.

(3) Suggestions regarding the other points of the programme drawn up by the Commission of Horticultural Experts at its Rome session of December 16-17, 1937, and other suggestions.

(4) Exchange of views on the international co-ordination of horticultural activities.

(5) Preliminary discussion on the resolutions adopted at the International Horticultural Congress at Berlin (August, 1938).

(6) Proposals, if any, to be submitted to the 13th International Horticultural Congress at Oslo (August 19-22, 1942).

Postponement of the second meeting of the Expert Committee on Herd Books. — In the *Chronicle* for May (No. 5) it was announced that the second meeting of the Expert Committee on Herd Books would take place at Dresden (Germany) at the same time as the International Congress of Agriculture (June 6-12).

This meeting has, however, been postponed to a later date yet to be fixed, as some of the circles and experts interested had suggesetd that the questions on the agenda should first receive a more careful study within each State before becoming the subjects of an international conference.

Permanent Agricultural Commission of the International Labour Office. — The Institute will be represented at the second session of the Permanent Agricultural Commission of the International Labour Office, which will open at Geneva on October 30.

It will be remembered that the Institute's delegation already took an important part in the first session of this Commission (February 1938).

PUBLICATIONS OF THE INTERNATIONAL INSTITUTE OF AGRICULTURE

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The *International Yearbook of Agricultural Legislation,* of which the XXVIII[th] volume has now been published, contains a complete collection of laws classified systematically in the different volumes from 1911 to the present time, and is thus a reference book which Governments and those interested in the study of agricultural questions find indispensable for the compilation of new draft laws, and for the completion of any study which involves a knowledge of the agricultural legislation of the different nations.

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The *International Yearbook of Agricultural Statistics*, now in its XXIIth volume (the Ist volume was published in 1912, is an indispensable work for all who undertake studies having any connection with the production, trade or prices of agricultural products. Each volume is the result of the most extensive and detailed inquiry made up to the present in the field of international agricultural statistics.

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BIBLIOGRAPHY OF TROPICAL AGRICULTURE, 1938

(VIII + 464 pp., 8vo).

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Each volume contains the titles of all publications relating to the agriculture of tropical regions, with the exception of those relating to stock breeding, to questions of a purely economic character and to plant diseases and pests, these subjects being treated in other publications of the Institute. Each title is accompanied by a summary in English and French, giving in a few lines the substance of the publication.

JUST OUT:—

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(XXIV + 312 pages, in-8°).

PRICE: **30 Lire** (*post free*).

In this handbook, prepared by the Library of the International Institute of Agriculture, will be found a great deal of useful information regarding agricultural libraries in the various countries of the world.

The contents of the handbook may be summarized as follows: (*a*) General agricultural libraries of over 2000 vols; (*b*) Agricultural libraries specialized in particular subjects, including small libraries; (*c*) Agricultural collections in general libraries (limited mainly to university or college libraries; (*d*) Centres of agricultural documentation.

It has been attempted as far as possible to give for every library the following information: (1) The history of the library; (2) Collection (subjects represented in the library; size of the whole collection; the special collections); (3) Library administration (cataloguing and classification systems; staff, etc.); (4) Use of the library (hours of opening, reading and reference rooms; external loans; annual average of readers and of circulation); (5) Relations with other libraries (interlibrary exchanges of publications and of duplicates; interlibrary loans within the country and with foreign countries); (7) Bibliography of writings on the library.

BOOKS PRESENTED TO THE LIBRARY OF THE INTERNATIONAL INSTITUTE OF AGRICULTURE

American horticultural society. The American daffodil year book. [Washington], 1938. 64 p.

American horticultural society. The American lily year book. [Washington], 1939. 112 p.

Annuario delle camere di commercio italiane all'estero. 5ª ed. Anno 1939. Milano, A. Cordani, [1939], 1943 p.

Baeyens, J. Les sols de l'Afrique centrale, spécialement du Congo belge. Gembloux, Impr. J. Duculot, [1938]. (Publications de l'Institut national pour l'étude agronomique du Congo belge. Hors série.) v. 1: Le Bas Congo. 1938, 375 p.

Barth, Agnar. Skogskjøtsel på biologisk grunnlag. Oslo, Grøndahl & søn, 1938. [6], 180 p. [Sylviculture on biological bases].

Borchert, Alfred. Krankheiten der Honigbiene. 5. neubearb. Aufl. Berlin, R. Schoetz, 1939. [4], 204 p.

British dairy farmers' association. Journal. v. 51. 1939. London, [1939]. 358 p.

Camagna, Domenico. La scuola rurale nel Molise in un triennio di attività. Campobasso (Agnone, Tip. Sammartino-Ricci), 1938. 159 p.

Carstens, Bruno. Bastelbuch des Imkers. [Leipzig], « Leipziger Bienenzeitung », [c1938]. 214 p.

Chałasiński Józef. Młode pokolenie chłopów. Warszawa, 1938. v. 1-4. Państwowy instytut kultury wsi. [The new generation of farmers].

Confédération internationale de l'agriculture. Annales 21, Mai 1939. Paris, [1939], 158 p.

2ème Congrès international du raisin et du jus de raisin. Maroc 1939. Rapports présentés par les différents pays viticoles sur les questions à l'ordre du jour du Congrès. Paris, J. Gamber, 1938. 314 p.

5ème Congrès international de la vigne et du vin. Lisbonne, Portugal, 15-23 octobre 1938. Procès-verbaux des séances et résolutions, suivis des communications parvenues au Secrétariat du Congrès après le 30 septembre. Lisbonne, 1939. 159 p.

2° Congresso nazionale di diritto agrario, Mussolinia, Cagliari, Sassari 16-19 Ottobre 1938. Atti. Roma, Edizioni universitarie, 1939. 1001 p.
Osservatorio italiano di diritto agrario, Roma.

10° Congresso internazionale di chimica. Atti del 10° Congresso internazionale di chimica, Roma 15-21 Maggio 1938. v. 2. Roma, Tip. ed. « Italia », 1938. 831 p

Crawford, David Livingston. Hawaii's crop parade; a review of useful products derived from the soil in the Hawaiian Islands, past and present. Honolulu, Advertiser publishing co., 1937. 305 p.

Dieterich, Viktor. Forstliche Betriebswirtschaftslehre; ein Lehr- und Handbuch. Berlin, P. Parey, 1939. v. 1. Die wissenschaftliche Grundlegung. 1939. 431 p.

Empire cotton growing corporation. Report of the administrative council of the Corporation submitted to the 18th Annual general meeting on may 19th, 1939. London, [Waterlow & sons], 1939. 54 p.

INTERNATIONAL BULLETIN
OF PLANT PROTECTION

1939 No. 7

DISCOVERIES AND CURRENT EVENTS *

England and Wales: New and Interesting Phytopathological Records for the Year 1938 †

(A) Injurious insects found in 1938 and not previously recorded in England and Wales:—

Tortrix postvittana Walker. This Lepidopteron, which is widely distributed in the Australian region, was discovered in 1937-38 in a restricted locality in North Cornwall, where the larvae were feeding upon *Euonymus* and shrubby species of *Veronica*.

Paroxyna misella Lw. This Trypetid fly, native in South Europe, was recorded attacking chrysanthemum in three localities in Southern England. The larvae cause galls on the terminal shoots of the plants and also blotch mines on the leaves.

Graphocephala coccinea Forst. First found in England in 1933, this North American Jassid is now established in some gardens in Surrey on Rhododendrons. The insect causes no appreciable damage to the plants.

(B) New host plant:—

Chilosia vernalis Fallen. The larvae of this Syrphid fly have been found boring in the stems of *Chrysanthemum maximum* and causing damage.

(C) Plant parasitic fungi found in 1938 and believed not to have been previously recorded in England and Wales:—

Oidium begoniae Puttem. Observed in February on the lower leaves of begonia plants growing under glass at Cambridge.

Haplobasidium pavoninum von Höhn. Found in May causing a leaf blotch of a seedling *Aquilegia* in a garden at St. Keverne, Cornwall.

Sclerotinia bulborum (Wakk.) Rehm. In July a disease believed to be caused by this fungus was observed on L'Innocence hyacinth bulbs that had been grown in Lincolnshire. The trouble had become noticeable when the plants

* Under this and the next heading the countries are arranged in French alphabetical order.

† Communication from the Ministry of Agriculture and Fisheries, London, the official correspondent of the Institute.

were in full bloom and it caused much loss. The same fungus was found attacking a single bulb taken from a consignment of hyacinths imported into England in October.

(D) New host plants:—

Armillaria mellea (Vahl) Fr. on carrot and lavender.
Sclerotium delphinii Welch on violet.
Sclerotium tuliparum Klebh. on crocus.
Thielaviopsis basicola (Berk.) Ferrar. on *Daphne mezereum* and Scabious.
Ustilago vaillantii Tul. on *Muscari botryoides* and *Scilla verna*.

Iran: First Outbreak of the Pink Cotton Bollworm, *Pectinophora* [*Platyedra*] *gossypiella* *

The pink cotton bollworm was first reported in 1937 in the region of Bendar Abbas; on investigation it was found that the regions affected were as follows:—

Shores of the Gulf of Oman: Bendar Abbas, Roudan, Minab, Chemil, Djirofte, Province of Kerman, and the region of Daschtiari at the frontier of Baluchistan.

On the proposal of the Department of Agriculture and by Decree of 23 Khordad 1317 (June 13, 1938), the Council of Ministers enacted measures for control and for the prevention of further spread of the pest.

Speaking generally, the region affected and that suspected constitute two distinct zones, separated by an imaginary line running east and west passing through the town of Kerman; although the region affected is much smaller, the zone of control and supervision is one of considerable extent.

The zone lying to the north of the Kerman line and including the provinces and districts of Yezd, Ardakan, Rafsendjan, Zarand and Chahdad is regarded as somewhat doubtful.

The zone below the Kerman line includes the zone actually affected as already stated and the highly suspected zone, comprising the areas adjoining the affected region, *viz.*, Sirdjan, Agtâa, Baft, Bam, Narmashir and Darab, Province of Fars.

The main clauses of the Decree are as follows:—

(1) In the region attacked by the pink bollworm, the growing of cotton is prohibited for several years, and the standing crops must be burned.

(2) Crops in the doubtful regions shall be subject to a strict periodical inspection by the Plant Protection Service: in every region in which the crop is reported as attacked the growing plants will be burnt on the ground and destroyed; the Cotton Company as compensation shall pay growers the price of the cotton reckoned on the average harvest of the region, after deduction of the expenses that would have been incurred up to the picking.

* Communication from the official correspondent of the Institute, Mr. Ahmed Hossein Adle, Assistant General Administrator at the Department of Agriculture, Teheran, Iran.

(3) From the date of the approval of the Decree, the sale and purchase of cottonseed are prohibited throughout the doubtful or affected region.

(4) All stocks of cottonseed existing in the warehouses of the Cotton Company shall be consigned to Bendar Abbas and shipped thence to foreign ports without touching at any Iranian port; if the sale and consignment to foreign destinations does not cover the costs of transport to Bendar Abbas and of packing, the whole stock not consigned must be burnt; warehouses and ginneries shall be placed at the disposal of the Department of Agriculture for disinfection.

(5) In respect of cottonseed in the hands of dealers or at the oil-mills the Decree provides that:—

(*a*) All stocks must be handed over to the Cotton Company within one month from the entry into force of the Decree and consigned to Bendar Abbas or burnt; the Company will refund to the holders the price of the cottonseed on the basis of the normal market price.

(*b*) Governors shall make known by means of public notices that all holders of cottonseed must deliver their stocks to the nearest branch of the Cotton Company, under pain of penalty.

Mayors must supply lists of holders of cottonseed with the quantities held by them to the nearest branch of the Cotton Company, or to a representative of the Department of Agriculture, or at the police station.

(*c*) Lorry-drivers and transport agents are forbidden to accept loads of cottonseed, unless the consignor presents a specially issued permit.

(*d*) All cotton fibre, coming from factories situated in the affected or doubtful regions, must be, without exception, consigned to Bendar Abbas; the cotton required for the spinning mills of Kerman and Bendar Abbas is to be supplied by the Rafsendjan and Bayaze region. In general the transport of cotton from south to north is prohibited and the entire production must be directed towards the south.

(*e*) In the doubtful regions, all the cotton plants must be pulled up and burnt after picking.

(*f*) In the ginneries, cotton coming from each region must be ginned separately and the waste burnt.

The Decree came into force at the time of its promulgation. Fortunately, the area infested is not large and is limited to the region already declared to be affected.

Southern Rhodesia: Locust Invasion, 1932-39 *

Monthly Report No. 76. March, 1939.

During the present season, up to the end of March, hoppers of the red locust (*Nomadacris septemfasciata*, Serv.) have appeared in twenty-two out of the thirty-two districts of the colony, namely:— Sebungwe, Lomagundi, Darwin, Mtoko, Mrewa, Mazoe, Salisbury, Makoni, Inyanga, Umtali, Melsetter,

* Communication from the official correspondent of the Institute, Mr. RUPERT W. JACK, F. E. S., Chief Entomologist, Agricultural Laboratory, Department of Agriculture, Salisbury, Southern Rhodesia.

Bikita, Charter, Victoria, Ndanga, Chibi, Belingwe, Gwanda, Matobo, Bulalima-Mangwe, Insiza and Gwelo.

In many of the districts only small hatchings have occurred, but the hatchings have been considerable in Darwin, Mrewa, Mtoko, Umtali, Bikita, Belingwe and Ndanga.

Country in native occupation has been mainly affected and efforts have been concentrated on protecting the crops. The continuous rains and swollen rivers have hampered operations, but no widespread damage has as yet been reported.

Towards the end of March, hoppers were reported to have died from natural causes in two districts, but the cause of death has not yet been ascertained.

A small supply of the locust bait used in the Union of South Africa was obtained during February for experimental purposes. This has been distributed to various districts with instructions in the method of use, and a request for a report on the results obtained. One farmer has reported very satisfactory results. Unfortunately, the overwhelming rains and the remoteness of the outbreaks have prevented any officier of this branch from carrying out experiments with the bait.

Italian Somaliland: Locust Movements *

On April 13, 1939, a large swarm (thought to be *Schistocerca gregaria*) was reported coming from the Galla-Sidamo region taking a south-easterly direction. On the 15th, this swarm passed over Dolo and followed the Juba stream. The following morning, the swarm settled between Dolo and Lugh Ferrandi, in the localities of Fordir, Sciadidei, Gardei, Au-Omarò. In the early afternoon, the swarm turned back to Oddo.

Another swarm appeared on the 19th between Dagamedò and Segag, following a north-easterly direction. On the afternoon of the 21st, two large swarms, one following the right bank and the other the left bank of the Juba passed over Lugh Ferrandi towards Bardera. On the 24th, part of the main swarm separated and flew over Damas towards El Uak.

During the night of the 27th, a large swarm was reported in Sahagodut where it settled. The next morning it settled at Audinle and on the 29th continued towards Oddur.

Only slight and sporadic damage was caused.

LEGISLATIVE AND ADMINISTRATIVE MEASURES

Germany. — Ordinance of February 10, 1939, modifying the Ordinance of February 10, 1937 relative to the use of poison eggs in the control of crows and magpies [see this *Bulletin*, 1937, No. 6, pp. 120-121] prescribes that the phosphorus utilized as the poison must be carefully mixed with the contents

* Communication from Dr. Luigi Bozzi, Chief of the Agricultural Services of Italian Somaliland, Mogadiscio, transmitted to the Institute by the Government of the Colony.

of the egg. The quantity of phosphorus to be employed may equal from 0.1 to 0.3 per cent. of the weight of the egg. (*Amtliche Pflanzenschutzbestimmungen*, Berlin, 1. Mai 1939, Bd. XI, Nr. 2, S. 52).

*** By Decree of February 13, 1939, the Law of March 5, 1937 relative to crop protection [see this *Bulletin*, 1937, No. 7, pp. 149-150] has been extended to former Austria and to the Sudeten districts. (*Ibid.*, S. 50).

*** A Circular of March 16, 1939 regarding the spindle tree (*Euonymus europaeus*) points out the damage which this plant may cause to useful plants as it acts as an intermediary host for the black bean aphis (*Aphis* [*Doralis*] *fabae*) which attacks bean and seed-beet crops.

The competent authorities are therefore required to prevent the cultivation of this plant, especially in the areas which are particularly subject to this aphis, as in Thuringia and Saxony-Anhalt, in view of the large areas under seed-beet cultivation. (*Ibid.*, S. 50-51).

*** An Ordinance of April 11, 1939 of the Minister of Agriculture authorizes from April 1, 1939 unrestricted export to the Sudeten districts of plants, parts of plants and any other material the import of which into these districts was, because of plant protection measures, prohibited or limited. (*Nachrichtenblatt für den Deutschen Pflanzenschutzdienst*, Berlin, Anfang Mai 1939, 19. Jahrg., Nr. 5, S. 47).

*** By Ordinance of May 3, 1939, the Minister of Agriculture abolishes the phytosanitary measures restricting the import into Germany of certain plants, parts of plants or other material from former Austria and the Sudeten districts. Imports are allowed without special permit, except, however, for plants and material which may introduce the San José scale [*Aspidiotus perniciosus*] and in particular, nursery products. (*Ibid.*).

*** The seventh Decree of May 4, 1939 relative to the Colorado beetle (*Leptinotarsa decemlineata*) units the provisions regarding this insect into one text and adds some modifications.

The first part (§§ 1-4), corresponding in general to the first Decree of April 15, 1937 [see this *Bulletin*, 1937, No. 8, p. 178] comprises the general provisions applying to a zone delimited in an appendix to this Decree, and called ' inspection zone '. (Überwachungsgebiet). Potato and tomato fields in this zone will be regularly inspected for the Colorado beetle.

The second part (§§ 5 and 6) regarding preventive measures in potato fields, indicates the precautions to be taken by holders of all potato fields in the so-called ' control zone ' (Bekämpfungsgebiet), delimited in Appendix 2 to this Decree. Potato fields should be treated by means of insecticides according to the instructions of the special Anti-Colorado Beetle Service. Potato-growers will also be required, in the fields where the Colorado beetle has been reported,

to make earthern trap-bands according to the method which will be indicated by the aforesaid Service.

The third part (§§ 7-11) with a view to preventing the introduction of the Colorado beetle from abroad, specifies the regulations regarding the imports of plants and parts of plants from America, Belgium, France, Luxemburg and the Netherlands.

Potatoes from the above-mentioned countries will only be admitted if produced in a locality at least 50 km. away from the outside limit of a zone infested by the Colorado beetle, and if the consignment is accompanied by a certificate of origin and health, a sample copy of which (form A) is appended to this Decree.

Rooted plants without attached soil are admitted during the period from November 15 to March 31 on condition that all earth is removed and that they are accompanied by a certificate according to form B appended to this Decree.

The Minister of Agriculture has published a list of plants with soil attached to the roots which can be introduced provided that they are accompanied by a certificate conforming to form B.

The import of fresh vegetables, fresh pot herbs and fresh parts of vegetables from the above-mentioned countries is allowed on condition that they were grown in a locality at least 50 km. away from the outside limit of the zone infested by the Colorado beetle, and that they are accompanied by a certificate according to form A.

Special measures are applied to products from the above-mentioned countries which were grown in the zone infested by the Colorado beetle and in the surrounding area to an extent of 50 km.

The following products may be imported during the period from April 1 to November 14:—

(*a*) cabbages (cleaned and free from soil);

(*b*) greenhouse tomatoes (accompanied by a statement by the Plant Protection Service testifying that the tomatoes were actually grown under glass);

(*c*) the tubers, bulbs, bulbous roots, rhizomes and other underground parts of plants, *e. g.*, asparagus, radish, carrots, salsify (cleaned and with soil and roots removed);

(*d*) melons, cucumbers, pumpkins, beans, green peas, celery stalks and endive;

(*e*) cut flowers grown under glass (accompanied by a statement by the Plant Protection Service testifying that they were actually grown under glass);

The products indicated in paragraphs (*a*) and (*e*) should be accompanied by a certificate according to form B.

The import of cauliflowers grown under glass is authorized during the period from April 1 to May 31; salad and spinach also grown under glass during the period from April 1 to 30, always provided that the consignments are accompanied by a certificate according to form B and a statement by the Plant Protection Service testifying that the said products are from crops grown under glass.

The import of fresh vegetables, fresh pot herbs and the fresh parts of vegetables, with the exception of potatoes, from any part of the above-mentioned countries, is authorized during the period from November 15 to March 31.

The import of fruits from the countries in question is authorized.

The transit of potatoes, plants with roots with or without attached soil, fresh vegetables, pot herbs of any kind and the fresh parts of plants is authorized on condition that the products are packed in such a manner that any Colorado beetle in the consignment cannot escape and that transit is carried out under the supervision of the customs services.

The fourth part (§§ 12-15) of this Decree regards the measures intended to prevent the spread of the insect in the country and substitutes the provisions of the sixth Decree of February 23, 1938 relative to the Colorado beetle [see this *Bulletin*, 1938, No. 7, pp. 148-149].

The fifth part (§§ 16-19) indicates the penalties applicable to anyone who deliberately or incautiously contravenes the provisions of this Decree.

The 1st, 3rd, 4th, 5th and 6th Decrees relative to the Colorado beetle [see this *Bulletin*, 1937, No. 8, p. 178 and No. 10, pp. 224-225; 1938, No. 2, p. 28 and No. 7, pp. 148-149] are cancelled. (*Reichsgesetzblatt*, Teil I, Berlin, 8. Mai 1939, Nr. 87, S. 882-890).

Germany (Bavaria). — By Notification of February 28, 1939 relative to the control of the potato wart disease [*Synchytrium endobioticum*], no non-resistant varieties can be grown after March 1, 1941. In 1939, only the following non-resistant varieties may be planted: ' Allerfrüheste Gelbe ', ' Centifolia ', ' Erstling ', ' Frühe Rosen ', ' Industrie ', ' Inis II ', ' Klara ', ' Wohltmann ' and ' Zwickauer Frühe '. (*Amtliche Pflanzenschutzbestimmungen*, Berlin, 1. Mai 1939, Bd. XI, Nr. 2, S. 55).

Germany (Brunswick). — By Decree of March 8, 1939 relative to the control of the potato wart disease [*Synchytrium endobioticum*] the cultivation of non-resistant varieties is prohibited, exception being made for the ' Industrie ', Prof. Wohltmann', ' Zwickauer frühe gelbe ' and ' Erstling ' varieties, which can be grown up to February 28, 1941. (*Amtliche Pflanzenschutzbestimmungen*, Berlin, 1. Mai 1939, Bd. XI, Nr. 2, S. 55-56).

Germany (Prussia). — By Decree of February 8, 1939 introducing an additional Article in the Decree of June 22, 1938 [see this *Bulletin*, 1938, No. 11, p. 245] relative to the control of the potato eelworm [*Heterodera schachtii*], cultivation in the Sleswig district of potatoes and tomatoes in areas recognized by the Plant Protection Service as being seriously infested, is prohibited for three years. If potatoes and tomatoes are grown in these areas they will be destroyed by order of the police authorities. (*Amtliche Pflanzenschutzbestimmungen*, Berlin, 1. Mai 1939, Bd. XI, Nr. 2, S. 54).

*** Decree of February 13, 1939, relative to the control of the beet leaf bug [*Piesma quadratum*] in the ' observation areas ', lays down that in certain circumscriptions of the Magdeburg district, beet, spinach and white beet fields will be under the supervision of the Plant Protection Services.

The fields found by the officers of this Service to be badly infested with this leaf bug will be reploughed. (*Ibid.*, S. 58-59).

*** By Decree of April 5, 1939, the control of *Galinsoga parviflora* (' Franzosenkraut ') has been made compulsory in the Osnabrück district.

Plants of *G. parviflora* should be uprooted and burnt or dug deeply in immediately. It is prohibited to destroy these plants in any other manner, such as throwing them into furrows, ditches, streams, on roads, manure heaps, etc.

Plants must be destroyed before July 1 on all lands which are not under cereals; in grain fields, destruction will be carried out immediately after harvesting.

Young plants of *Galinsoga* growing after the first control operations will be destroyed as soon as they appear. Plants which have not yet formed buds may be destroyed by any means excepting by fire, as long as they are effectively removed.

Control operations on this weed will be carried out under the supervision of the police authorities and the Plant Protection Service which will also be assisted by a special Committee.

This Committee will inspect the fields for Galinsoga for the first time during the period from July 1 to 15. Further inspections will be made successively about every four weeks. (*Ibid.*, S. 57-58).

Germany (**Saxony**). — A Decree of March 31, 1939 relative to the control of the beet leaf bug [*Piesma quadratum*] delimits the ' observation area '. The provisions of the Decree of February 19, 1938 [see this *Bulletin*, 1938, No. 7, p. 151] relative to control measures in the ' observation area ' remain in force. The ' invaded zone ' which was delimited by this Decree is added to the ' observation area ' delimited in the Decree of March 31, 1939. (*Amtliche Pflanzenschutzbestimmungen*, Berlin, 1. Mai 1939, Bd. XI, Nr. 2, S. 59-60).

Germany (**Thuringia**). — By Decree of February 1, 1939, the control of the asparagus rust [*Puccinia asparagi*] is made compulsory.

It is prohibited to take outside asparagus plantations the aerial parts of the plants, with the exception of berries for seed.

The Decree prescribes, even if the plantations have only been established a year or if the plants are used for selection work, that each year before November 15, the stalks of seed asparagus must be cut and destroyed immediately by fire.

The lower parts of the stems remaining in the soil will be removed during the following spring and also burnt before April 28.

It is prohibited to establish new plantations in communes where there are already two or three year old plantations. At all events, the new plantations should be at least 500 m. away from the nearest young plantation.

It is prohibited during the harvesting period to let stalks run to seed even if they are too small to be harvested.

Any seriously attacked stalks which an officer of the Plant Protection Service may find in young plantations will be immediately cut and burnt. Lightly infested stalks will be treated according to the instructions given by the inspector. (*Amtliche Pflanzenschutzbestimmungen*, Berlin, 1. Mai 1939, Bd. XI, Nr. 2, S. 61-62).

*** A Notification of February 17, 1939 indicates seven potato varieties ('Allerfrüheste Gelbe', 'Centifolia', 'Erstling', 'Frühe Rosen', 'Industrie', 'Prof. Wolhtmann' and 'Zwickauer frühe gelbe') non-resistant to the potato wart disease [*Synchytrium endobioticum*] which may still be cultivated during the years 1939 and 1940, after which the planting of non-resistant varieties will be strictly prohibited. (*Ibid.*, S. 60).

*** By Police Ordinance, dated March 20, 1939, relative to the control of nun moth [*Lymantria monacha*] every owner of forests in the circumscription of Schleiz will be required to assist in controlling this insect when called upon by the authorities in charge.

For all control operations requiring the use of mechanical apparatus, the Forestry Service will arrange for dusting to be carried out by specialized firms who will draw up a contract with the forest owners according to an established form. The expenses will be assessed in proportion to the extent of the forests. (*Ibid.*, S. 62).

England and Wales. — The present regulations under the Importation of Plants Orders of 1933 to 1938 require raw vegetables imported into England and Wales after April 7 to be accompanied by certificates from the country of origin.

After consideration of the latest technical information regarding the habits of the Colorado beetle [*Leptinotarsa decemlineata*] in Europe, it was decided that the period during which raw vegetables might be admitted without special restrictions could be extended, and a General Licence was signed on April 1, 1939 under which raw vegetables (other than potatoes) might be landed without certificates up to April 20 inclusive. (*The Journal of the Ministry of Agriculture*, London, May 1939, Vol. XLVI, No. 2, pp. 190-191).

Italy. — By Ministerial Decree of February 27, 1939, the control of the tobacco broom-rape [*Orobanche ramosa*] by collecting and destroying the plant, has been made compulsory in the Province of Salerno. (*Bollettino Ufficiale del Ministero dell'Agricoltura e delle Foreste*, Roma, 1° aprile 1939, anno XI, n. 7, p. 757).

*** By two Ministerial Decrees of April 17, 1939, the application of the exchange duty, at the reduced rate of 0.75 per cent., is extended as from May 20, 1939 to the parasiticides sold commercially as ' Afis ', ' Vitinox ' and ' Deril '. (*Gazzetta Ufficiale del Regno d'Italia*, Roma, 17 maggio 1939, anno 80°, n. 116, pp. 2326-2327, 2344).

*** By Ministerial Decree of April 22, 1939, the said exchange duty is applied, as from May 20, 1939, to the parasiticides sold commercially as ' Super Antiparassit ' and ' Miscela Solfocalcica (semplice e ramata) '. (*Ibid.*, p. 2344).

New Zealand. — By the Orchard and Garden Diseases Act Extension Order (No. 2) 1939, dated February 21, 1939, bulb-aphis (*Anuraphis tulipae*) and dicky rice-weevil (*Maleuterpes spinipes*) are declared to be diseases within the meaning of the Orchard and Garden Diseases Act, 1928. (*Serial Number 1939/45*, Wellington, 1939, 1 p.).

*** By Special Order made by the Glen Eden Town Board on February 28, 1939 and published on March 8, 1939, gorse (*Ulex europaeus*) and hakea (*Hakea acicularis*) are declared to be noxious weeds within the Town District of Glen Eden. (*The New Zealand Gazette*, Wellington, March 16, 1939, Numb. 15, p. 408).

*** By Special Order made by the Hastings Borough Council on March 9, 1939 and published on March 14, 1939, Bathhurst burr (*Xanthium spinosum*), fennel (*Foeniculum vulgare*), hemlock (*Conium maculatum*), star thistle (*Centaurea*), and winged thistle (*Carduus pycnocephalus*) an declared to be noxious weeds within the Borough of Hastings. (*Ibid.*).

Nyasaland Protectorate. — By Proclamation No. 4 of 1939, dated March 14, 1939, the importation or introduction into the Protectorate from the territory administered by the Companhia de Mozambique of all citrus trees, plants, budwood, seeds and dried peel including candied peel grown or produced in the said territory is prohibited.

The importation or introduction into the Protectorate of fresh citrus fruit grown in the Beira, Neves Ferreira, Busi and Cheringoma Districts of the said territory is hereby prohibited.

The importation or introduction into the Protectorate of fresh citrus fruit grown in the remaining Districts of the said territory is hereby permitted subject to the following conditions:—

Every consignment of citrus fruit imported shall be accompanied by a certificate of origin signed by a responsible official of the Department of Agriculture, at Beira, which shall state the name and address of the grower, the name of the farm or property on which the citrus fruit was produced, and the district in which such farm or property is situated.

As regards the said territory this Proclamation shall be deemed to repeal Proclamation No. 11 of 1936 in so far as that Proclamation relates to fresh citrus and dried citrus peel. (*Supplement No. 6 A to The Nyasaland Government Gazette*, Zomba, 31st March, 1939, pp. 27-28).

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NOTES

First International Tobacco Congress. — This Congress will take place at Bremen, Germany from September 25 to 30, 1939. One section of the Congress will be devoted to questions relating to diseases and pests of the tobacco plant.

Thirteenth International Zoological Congress. — This Congress will meet in Paris in July, 1940.

Dott. VALENTINO DORE, *gerente responsabile*.

PRINTING OFFICE ' CARLO COLOMBO ' — ROME, JULY 15, 1939.

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